

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW110418\
 Data File : VW006613.D
 Acq On : 02 Nov 2018 20:26
 Operator : SY/AP
 Sample : J5192-07RE
 Misc : 5.39G/5ML/MSVOA_W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 AU-05-103118-B

Quant Time: Nov 03 00:27:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W110218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 01 03:48:08 2018
 Response via : Initial Calibration

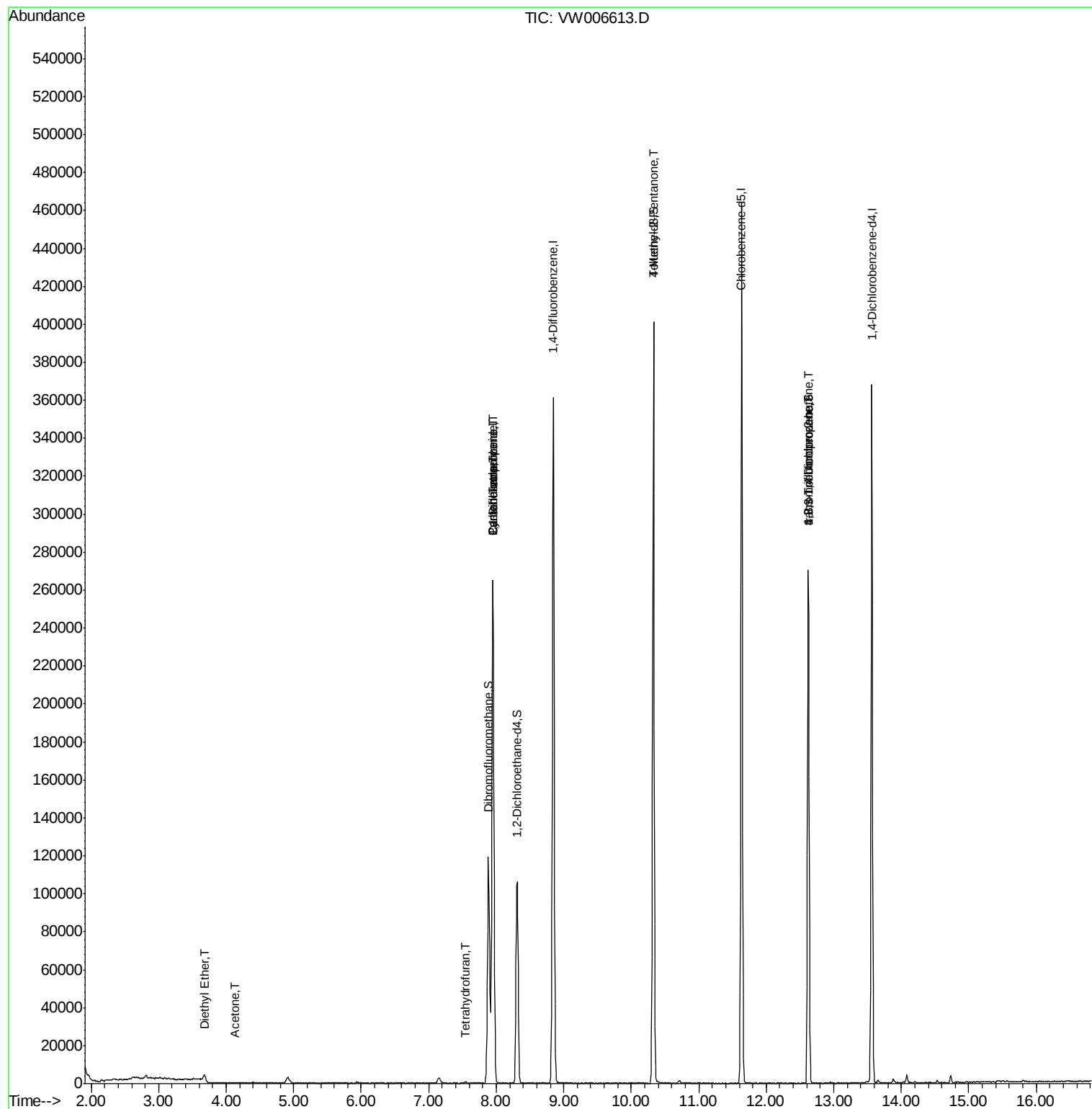
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	218520	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	325099	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	268389	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	104703	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	84646	45.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.12%	
35) Dibromofluoromethane	7.88	113	85557	41.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	83.86%	
50) Toluene-d8	10.33	98	280449	36.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	72.22%	
62) 4-Bromofluorobenzene	12.62	95	82251	29.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	58.42%	
Target Compounds						
8) Diethyl Ether	3.68	74	2451	2.594	ug/l	90
16) Acetone	4.12	43	592	1.952	ug/l	94
20) Methylene Chloride	4.92	84	2821	Below Cal		93
29) Tetrahydrofuran	7.54	42	437	1.606	ug/l #	64
31) Cyclohexane	7.95	56	3844	1.285	ug/l #	10
36) 1,1-Dichloropropene	7.95	75	13461	4.708	ug/l #	48
38) Carbon Tetrachloride	7.95	117	18834	6.305	ug/l #	17
51) 4-Methyl-2-Pentanone	10.32	43	1067	1.051	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	41236	50.477	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	41236	126.426	ug/l #	11

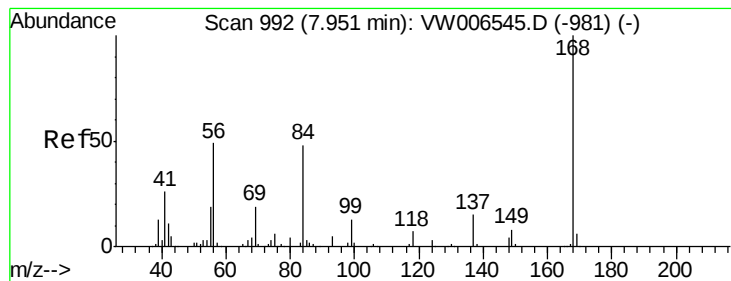
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW110418\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006613.D

Acq: 02 Nov 2018 20:26

Instrument :

MSVOA_W

ClientSampleId :

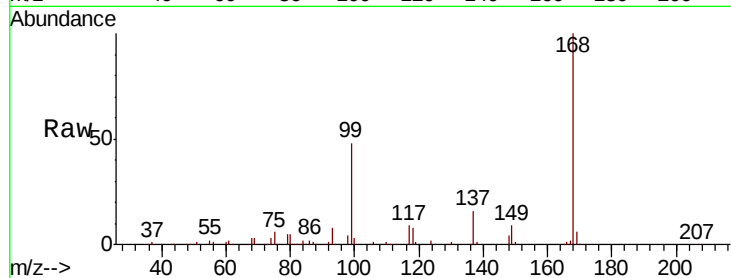
AU-05-103118-B

Tgt Ion:168 Resp: 218520

Ion Ratio Lower Upper

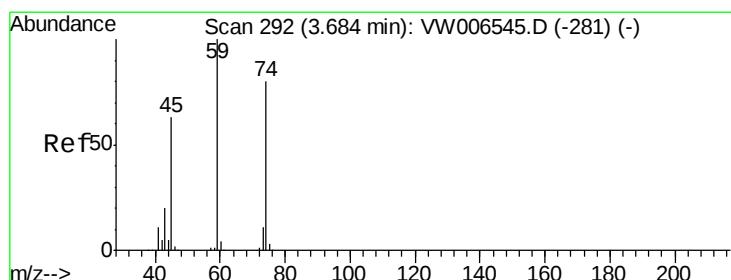
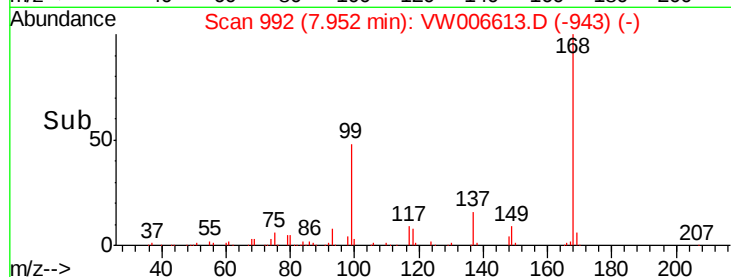
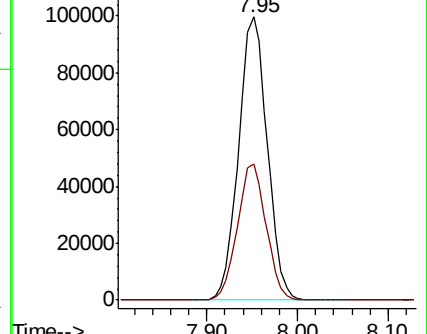
168 100

99 48.2 37.4 56.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 2.594 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.01 min

Lab File: VW006613.D

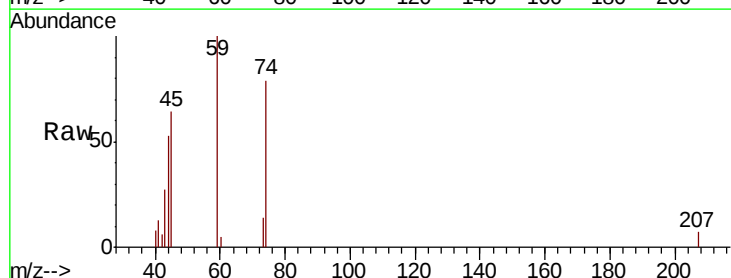
Acq: 02 Nov 2018 20:26

Tgt Ion: 74 Resp: 2451

Ion Ratio Lower Upper

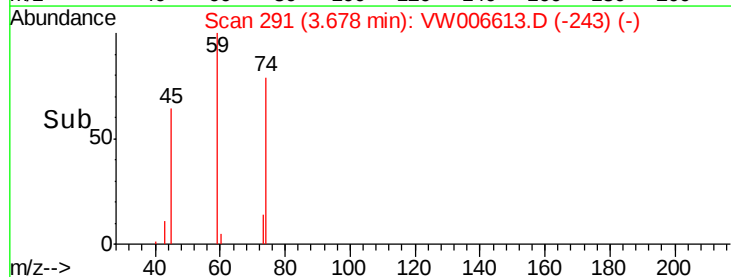
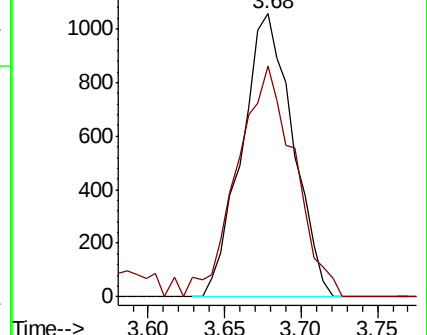
74 100

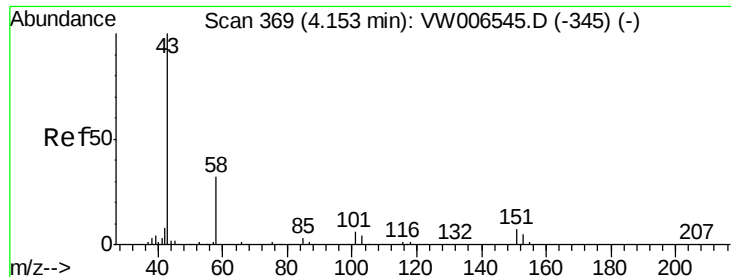
45 91.3 41.1 123.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#16

Acetone

Concen: 1.952 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.03 min

Lab File: VW006613.D

Acq: 02 Nov 2018 20:26

Instrument :

MSVOA_W

ClientSampleId :

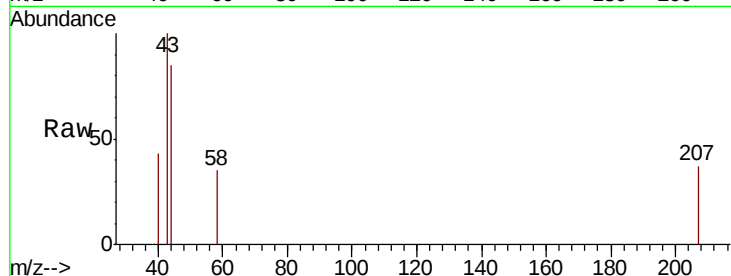
AU-05-103118-B

Tgt Ion: 43 Resp: 592

Ion Ratio Lower Upper

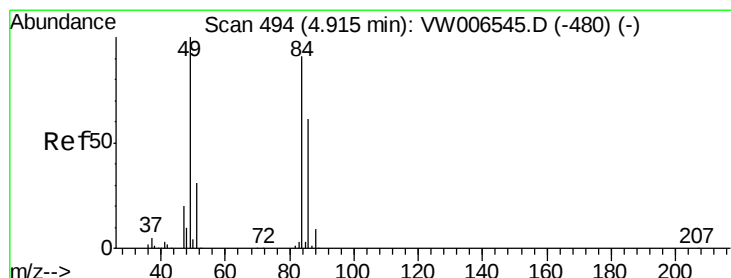
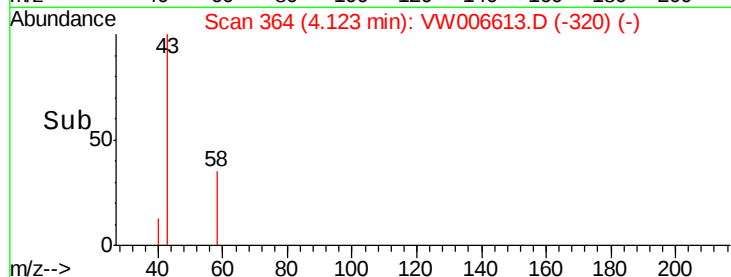
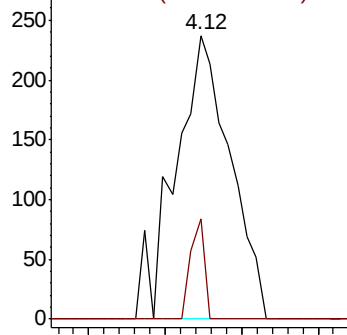
43 100

58 35.4 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: Below Cal

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW006613.D

Acq: 02 Nov 2018 20:26

Tgt Ion: 84 Resp: 2821

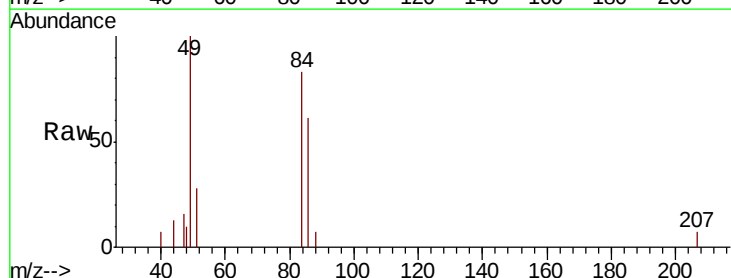
Ion Ratio Lower Upper

84 100

49 119.8 88.2 132.4

51 33.4 27.0 40.6

86 72.8 53.8 80.8

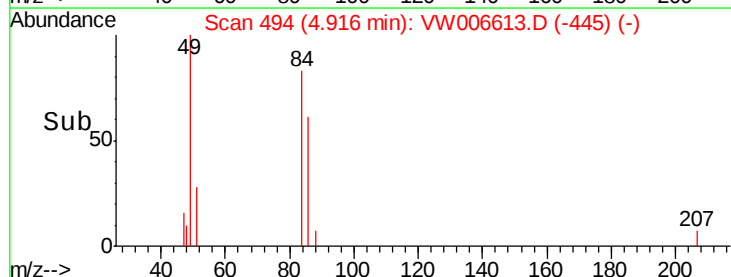
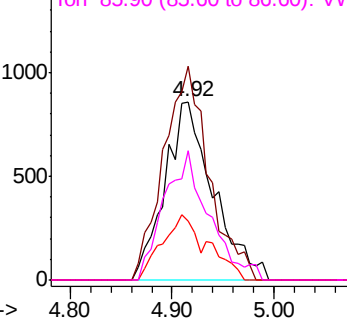


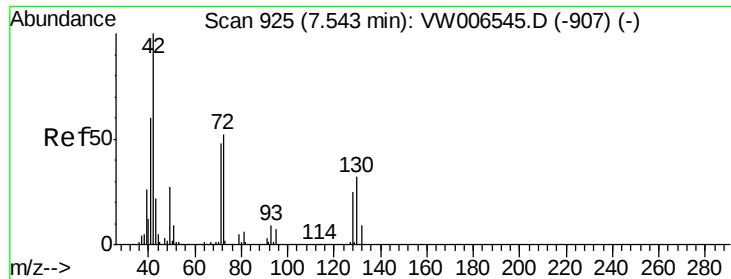
Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW





#29

Tetrahydrofuran

Concen: 1.606 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.00 min

Lab File: VW006613.D

Acq: 02 Nov 2018 20:26

Instrument :

MSVOA_W

ClientSampleId :

AU-05-103118-B

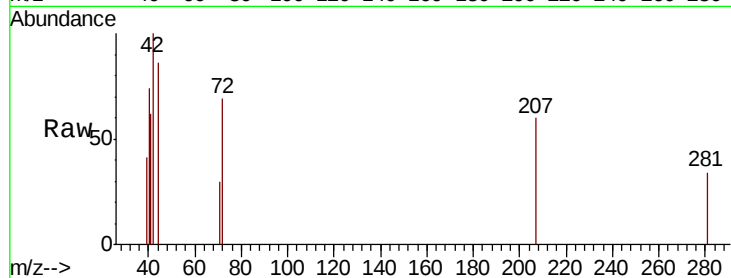
Tgt Ion: 42 Resp: 437

Ion Ratio Lower Upper

42 100

72 37.5 39.2 58.8#

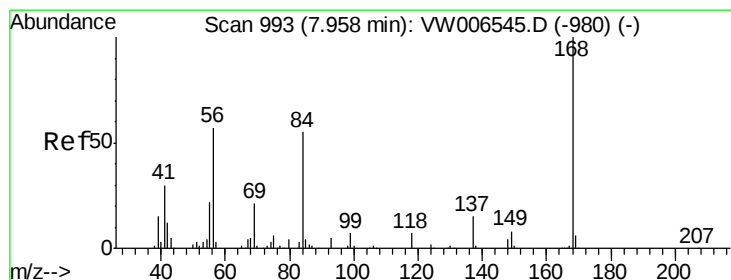
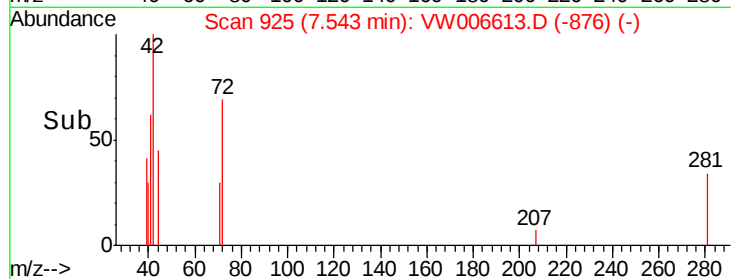
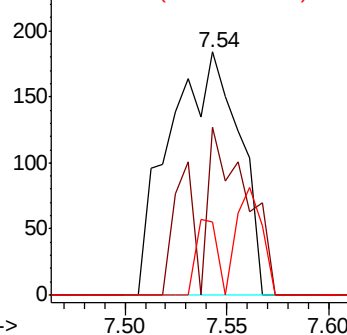
71 9.4 37.6 56.4#



Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW



#31

Cyclohexane

Concen: 1.285 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW006613.D

Acq: 02 Nov 2018 20:26

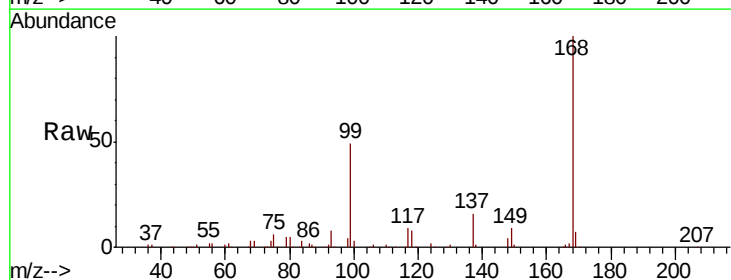
Tgt Ion: 56 Resp: 3844

Ion Ratio Lower Upper

56 100

69 152.9 29.0 43.4#

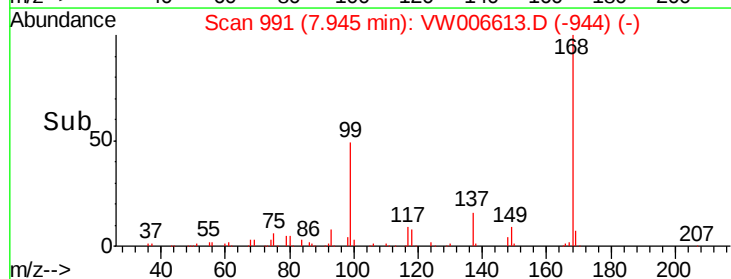
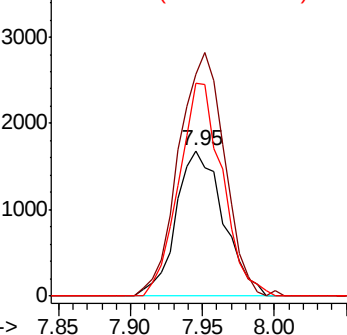
84 146.0 77.8 116.6#

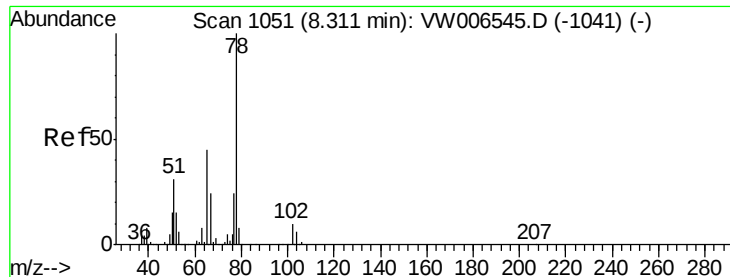


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW





#33

1,2-Dichloroethane-d4

Concen: 45.063 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW006613.D

Acq: 02 Nov 2018 20:26

Instrument :

MSVOA_W

ClientSampleId :

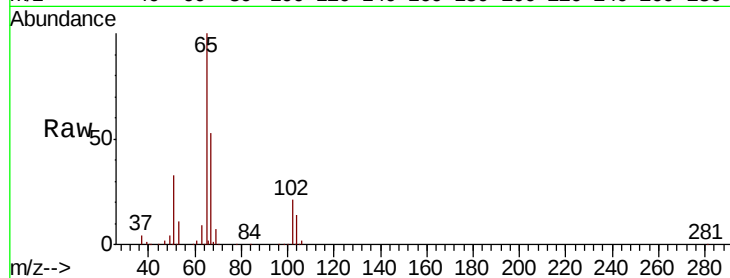
AU-05-103118-B

Tgt Ion: 65 Resp: 84646

Ion Ratio Lower Upper

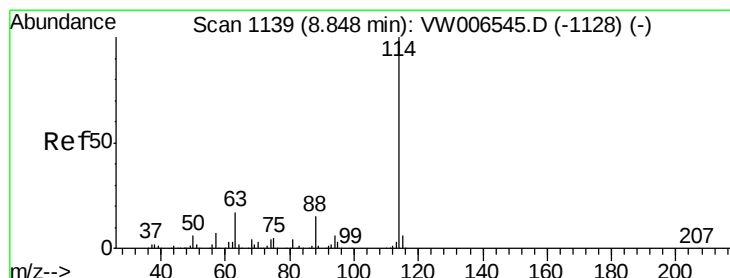
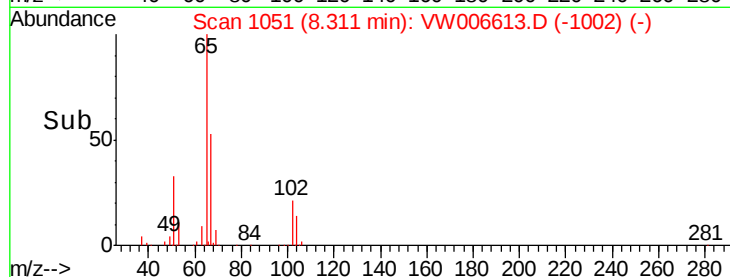
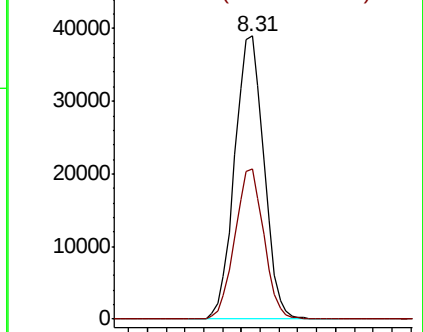
65 100

67 52.6 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VW006613.D

Acq: 02 Nov 2018 20:26

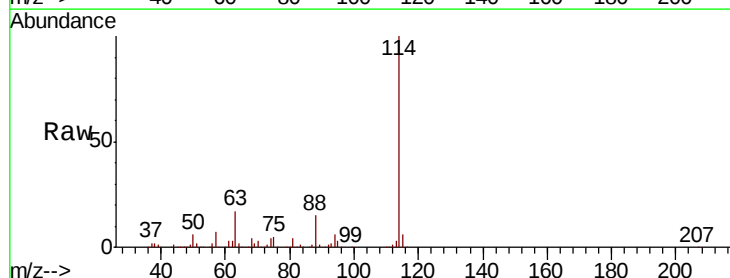
Tgt Ion: 114 Resp: 325099

Ion Ratio Lower Upper

114 100

63 17.2 0.0 34.4

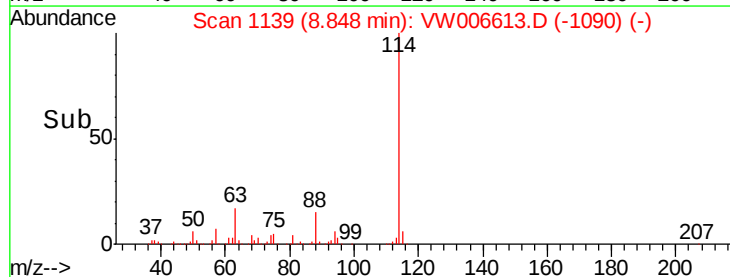
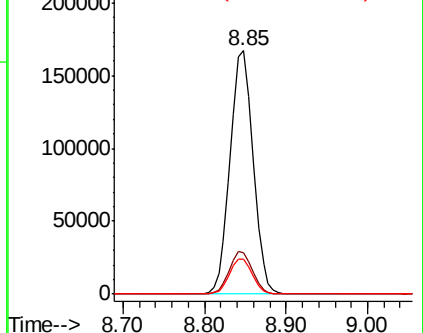
88 14.5 0.0 29.0

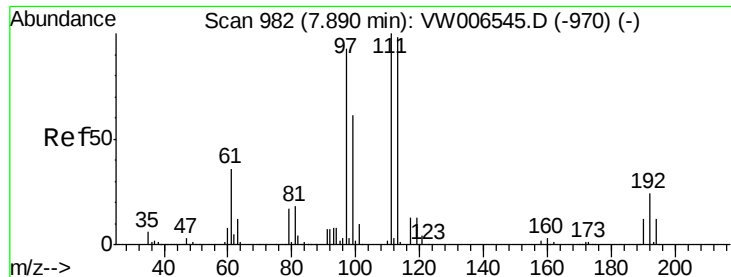


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

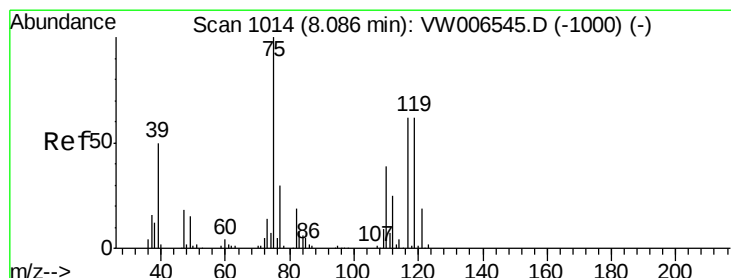
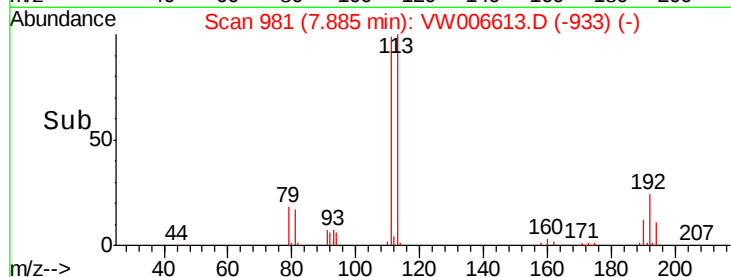
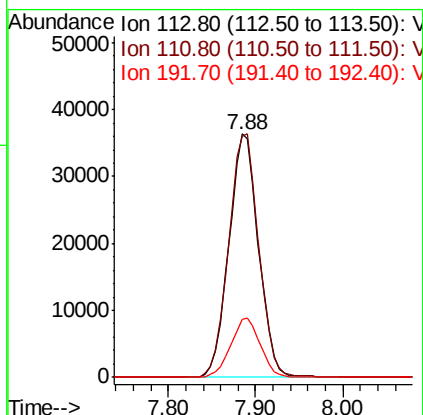
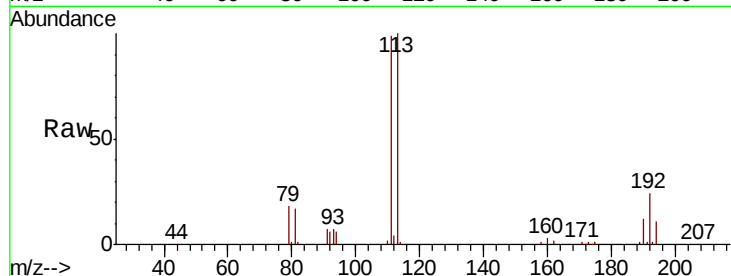




#35
 Dibromofluoromethane
 Concen: 41.934 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW006613.D
 Acq: 02 Nov 2018 20:26

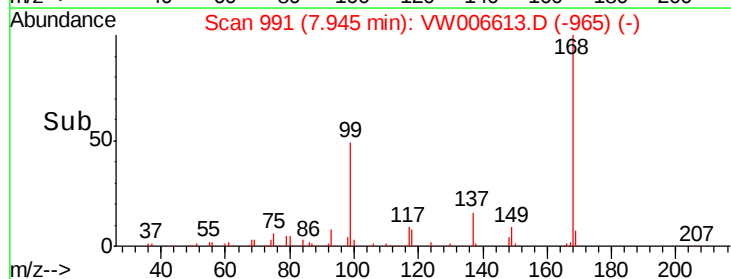
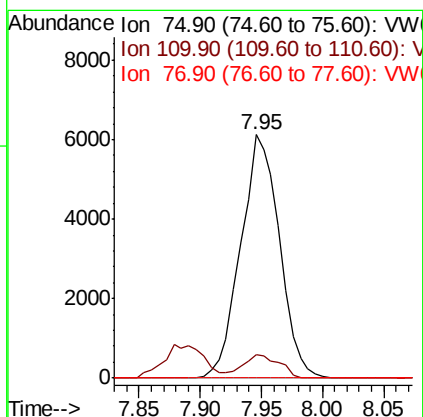
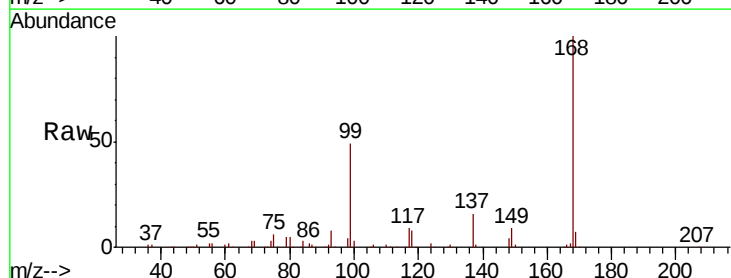
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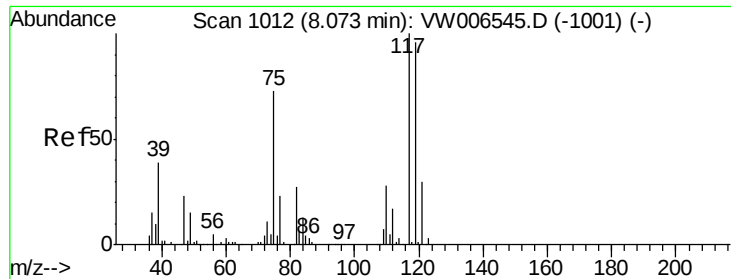
Tgt Ion: 113 Resp: 85557
 Ion Ratio Lower Upper
 113 100
 111 101.4 82.2 123.2
 192 24.1 19.0 28.6



#36
 1,1-Dichloropropene
 Concen: 4.708 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW006613.D
 Acq: 02 Nov 2018 20:26

Tgt Ion: 75 Resp: 13461
 Ion Ratio Lower Upper
 75 100
 110 8.9 19.5 58.5#
 77 0.0 24.6 37.0#

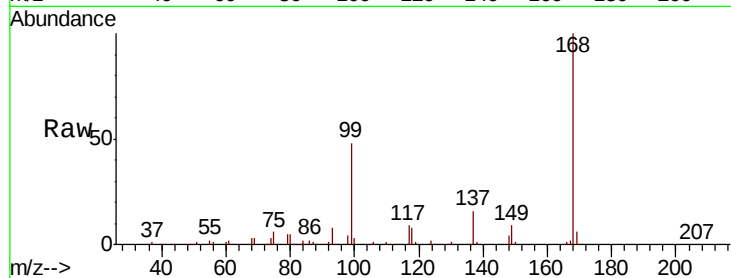




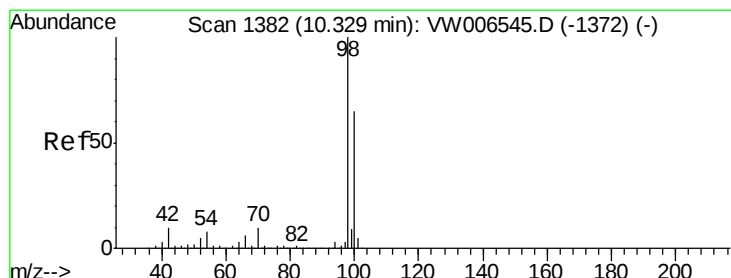
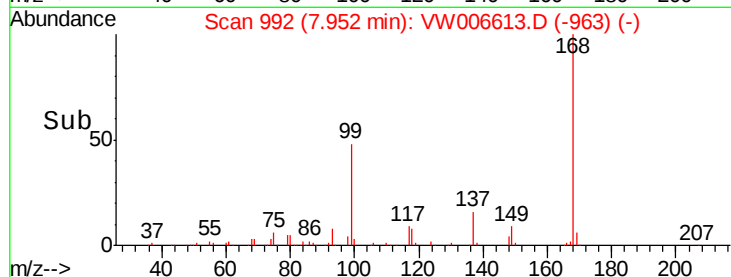
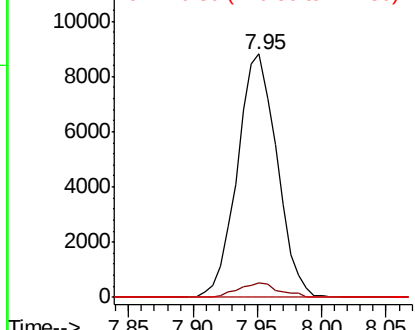
#38
Carbon Tetrachloride
Concen: 6.305 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW006613.D
Acq: 02 Nov 2018 20:26

Instrument :
MSVOA_W
ClientSampleId :
AU-05-103118-B

Tgt Ion:117 Resp: 18834
Ion Ratio Lower Upper
117 100
119 5.9 76.3 114.5#
121 0.0 24.1 36.1#

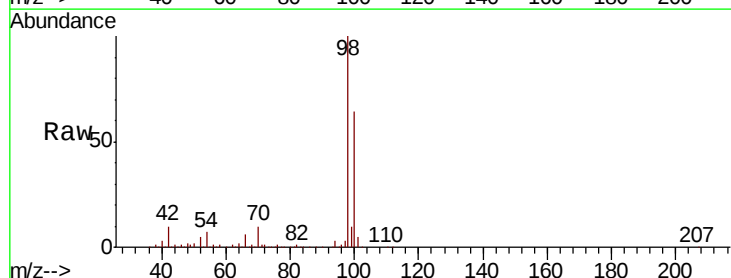


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

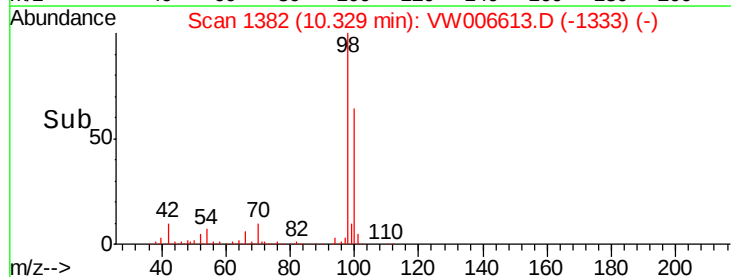
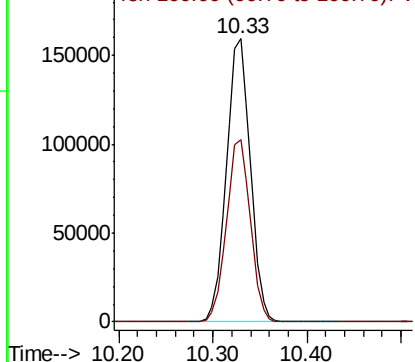


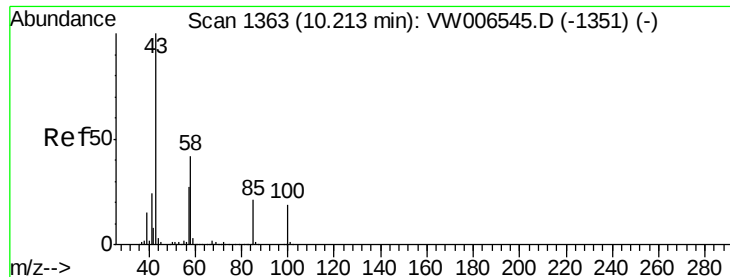
#50
Toluene-d8
Concen: 36.108 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW006613.D
Acq: 02 Nov 2018 20:26

Tgt Ion: 98 Resp: 280449
Ion Ratio Lower Upper
98 100
100 64.3 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 1.051 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.11 min

Lab File: VW006613.D

Acq: 02 Nov 2018 20:26

Instrument :

MSVOA_W

ClientSampleId :

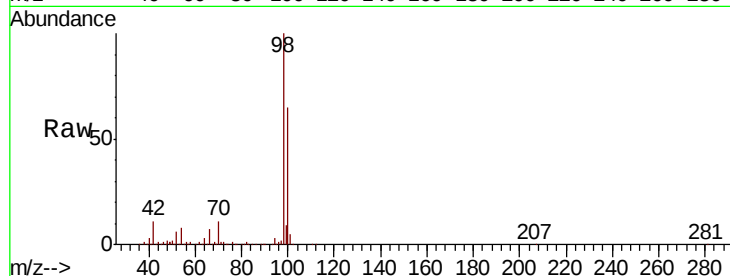
AU-05-103118-B

Tgt Ion: 43 Resp: 1067

Ion Ratio Lower Upper

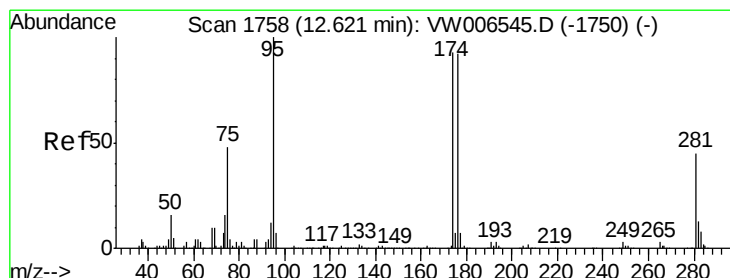
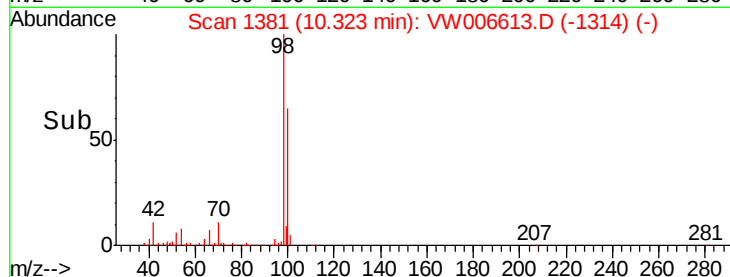
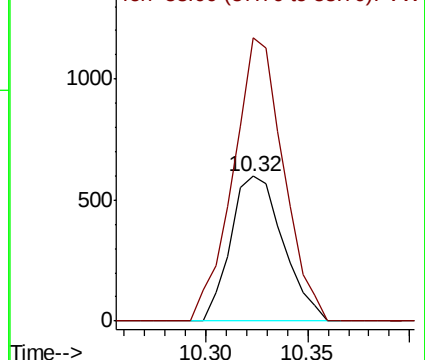
43 100

58 188.2 33.4 50.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#62

4-Bromofluorobenzene

Concen: 29.211 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006613.D

Acq: 02 Nov 2018 20:26

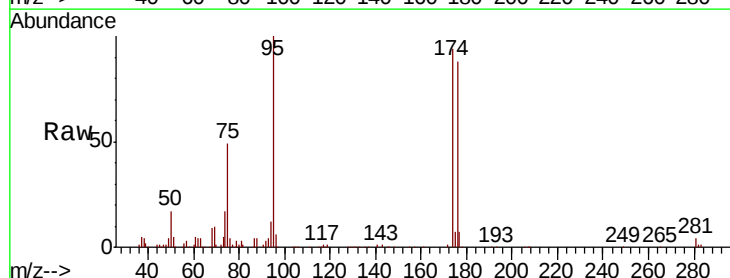
Tgt Ion: 95 Resp: 82251

Ion Ratio Lower Upper

95 100

174 99.6 0.0 192.4

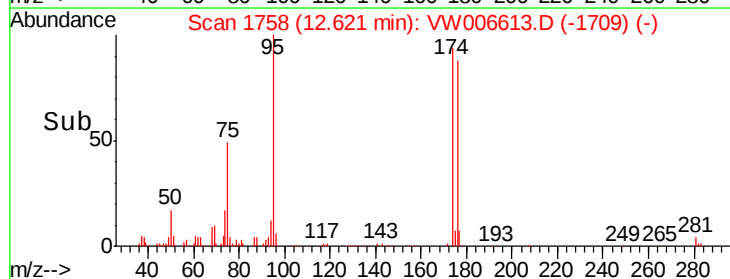
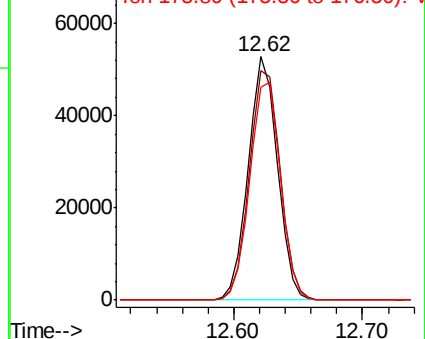
176 94.5 0.0 187.4

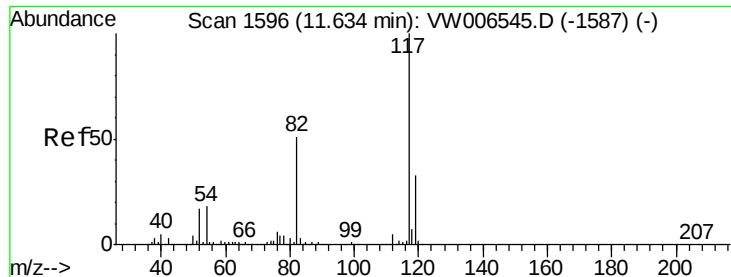


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW006613.D

Acq: 02 Nov 2018 20:26

Instrument :

MSVOA_W

ClientSampleId :

AU-05-103118-B

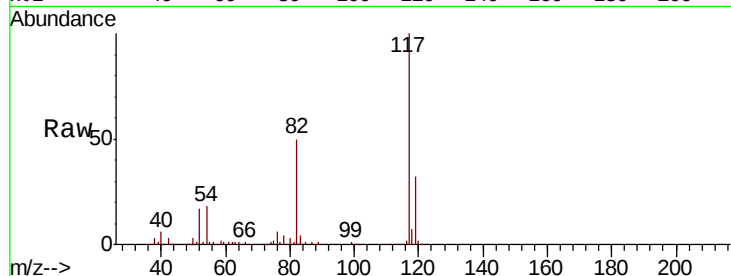
Tgt Ion:117 Resp: 268389

Ion Ratio Lower Upper

117 100

82 50.2 40.8 61.2

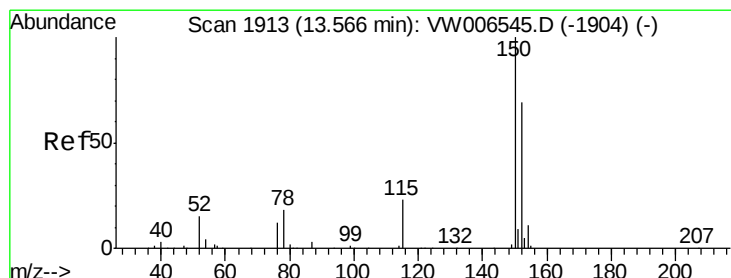
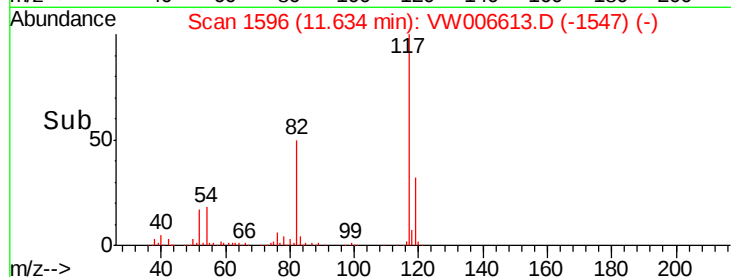
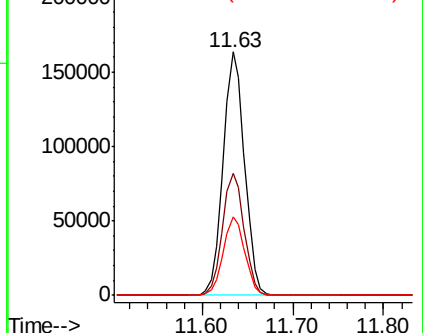
119 32.2 26.1 39.1



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.01 min

Lab File: VW006613.D

Acq: 02 Nov 2018 20:26

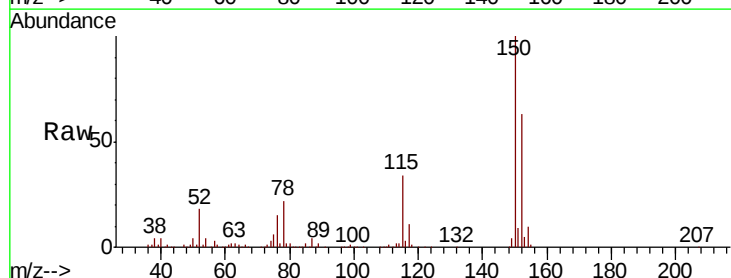
Tgt Ion:152 Resp: 104703

Ion Ratio Lower Upper

152 100

115 53.2 26.6 79.8

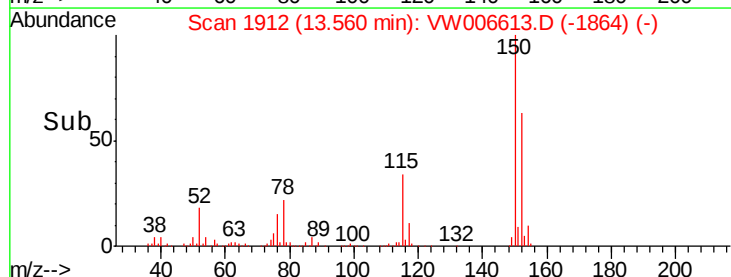
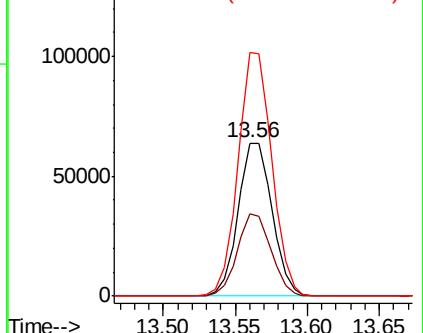
150 157.9 0.0 344.6

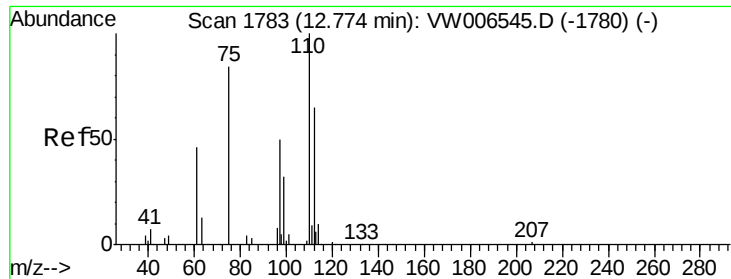


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 50.477 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW006613.D

Acq: 02 Nov 2018 20:26

Instrument :

MSVOA_W

ClientSampleId :

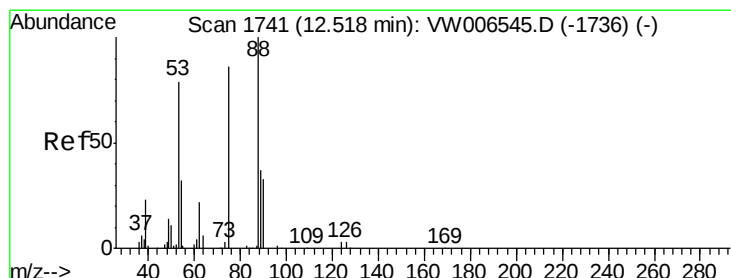
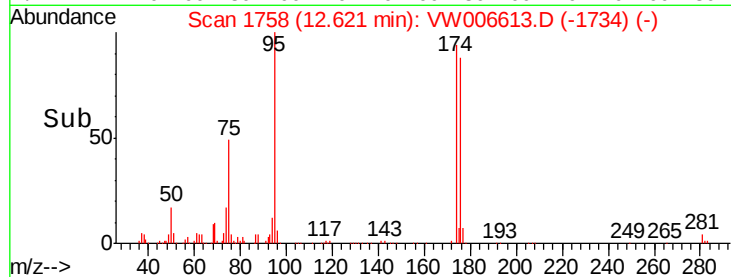
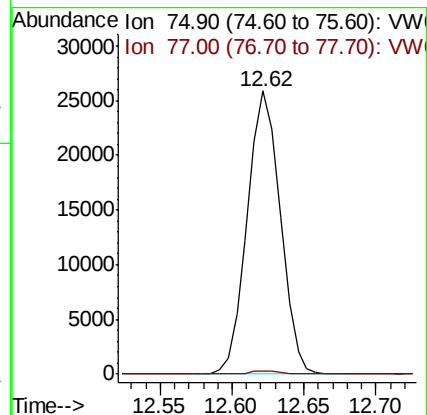
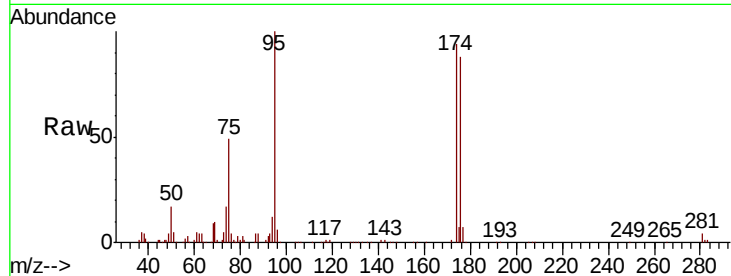
AU-05-103118-B

Tgt Ion: 75 Resp: 41236

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 126.426 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006613.D

Acq: 02 Nov 2018 20:26

Tgt Ion: 75 Resp: 41236

Ion Ratio Lower Upper

75 100

53 0.0 77.2 115.8#

89 0.0 38.6 58.0#

